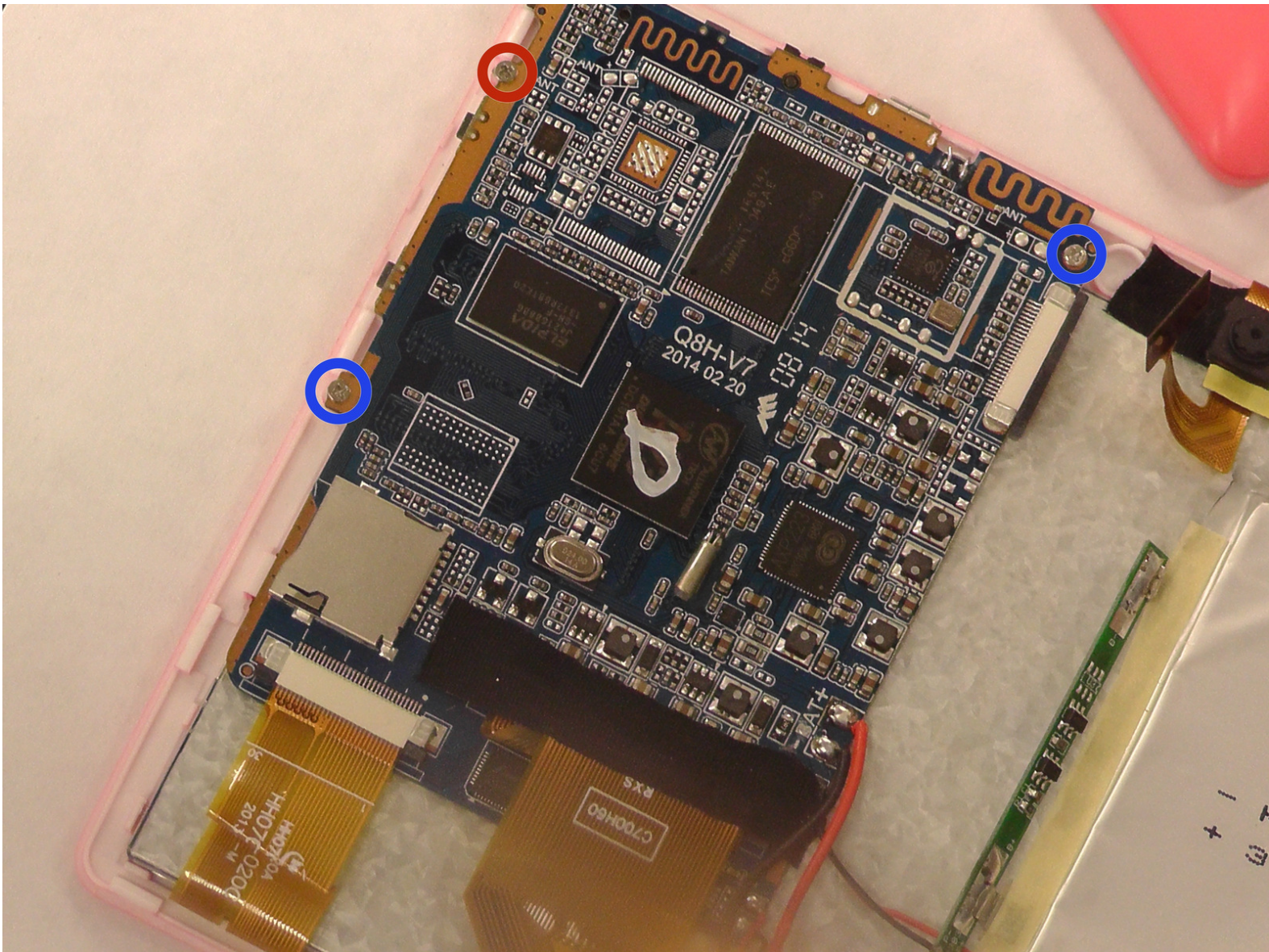




Quantum Axis A23 Motherboard Replacement

Shows user how to replace the motherboard on device.

Written By: Nicole





TOOLS:

- [iFixit Opening Tools](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
 - [Wire Stripper](#) (1)
 - [Electrical Tape in 6 Assorted Colors](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Small Needle Nose Pliers](#) (1)
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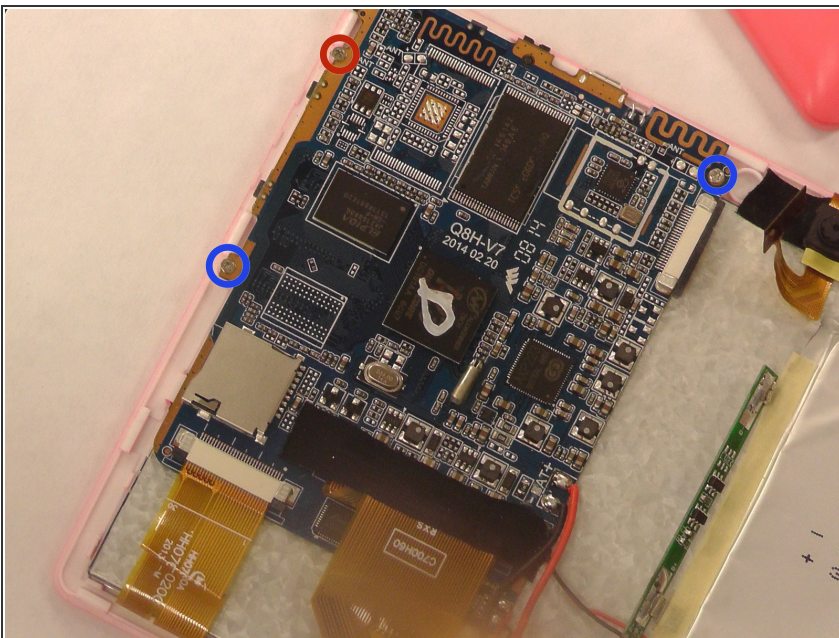
Step 1 — Removing the Case



- Use plastic opening tools to pry open the rear casing of the your Quantum Axis A23. Slide the tool along the edges to release the plastic tabs.

⚠ Be careful not to crack front screen in the process.

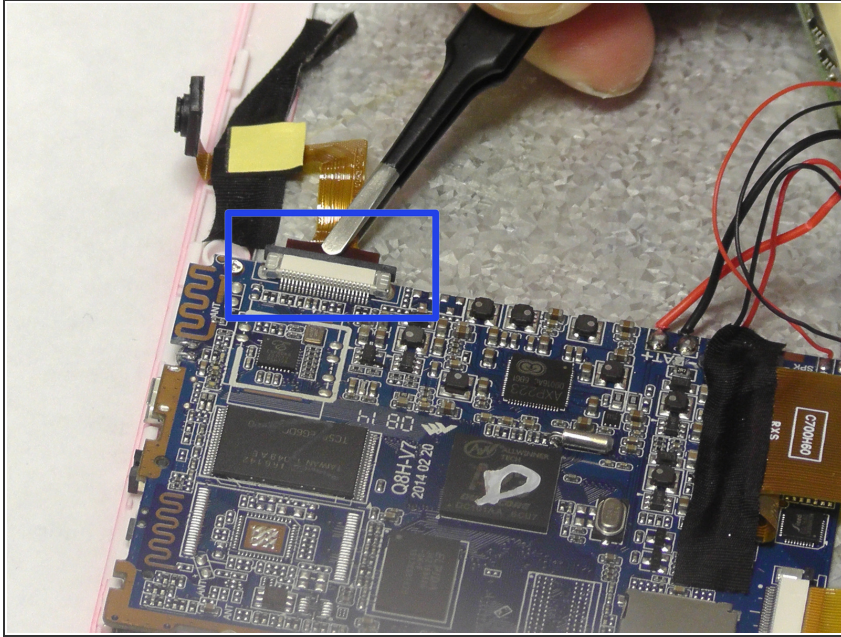
Step 2 — Unscrewing the Motherboard



- Take the Phillips #00 Precision Screwdriver and slot in the Phillips Head PH #0. Remove all three screws holding down the motherboard.

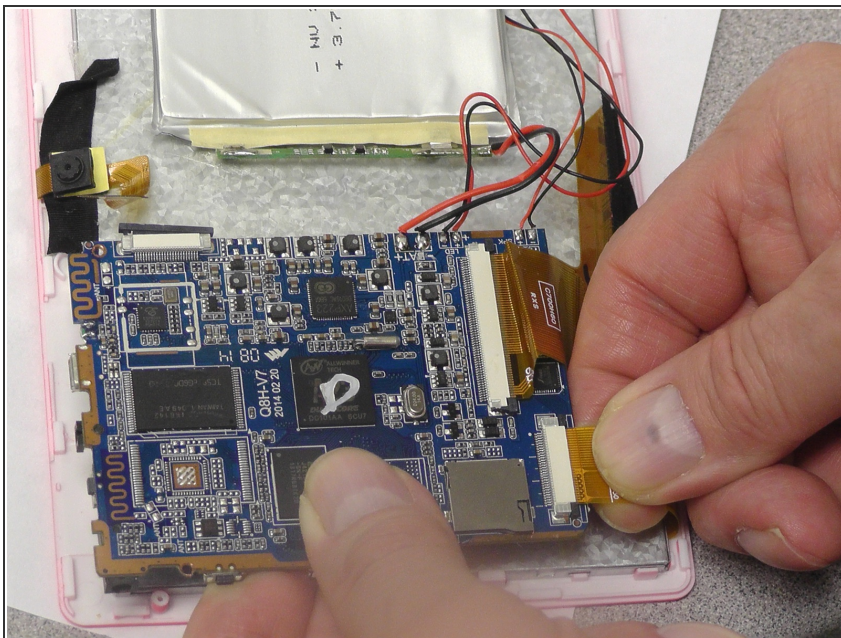
⚠ When screwing the motherboard back on, make sure that you do the screw on the top left corner (circled in red) last, after the other two screws are in.

Step 3 — Small Ribbon Removal



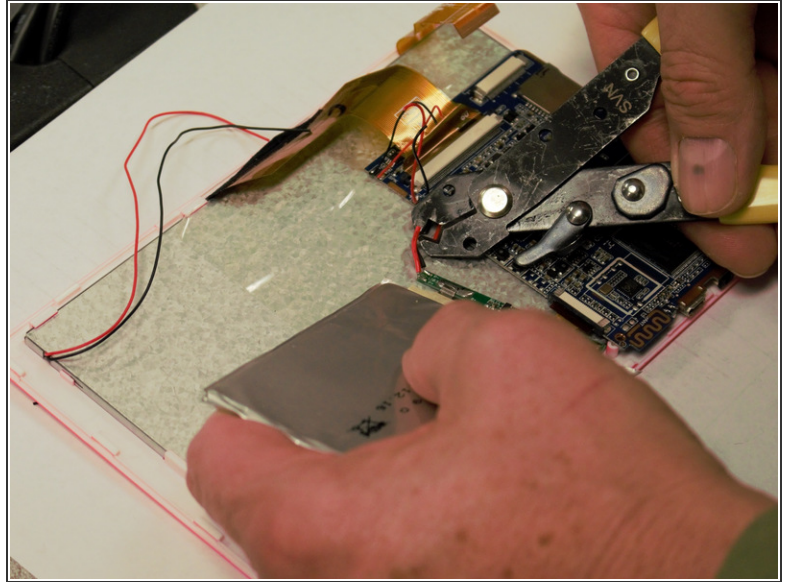
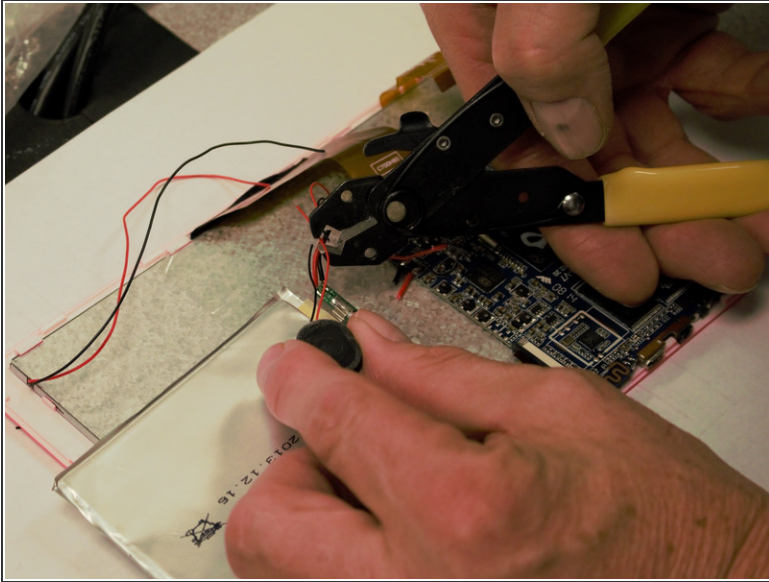
- Clamp down using the small needle nose pliers and carefully remove the small yellow ribbon that is attached to the motherboard.]

Step 4 — Removing the Two Larger Ribbons



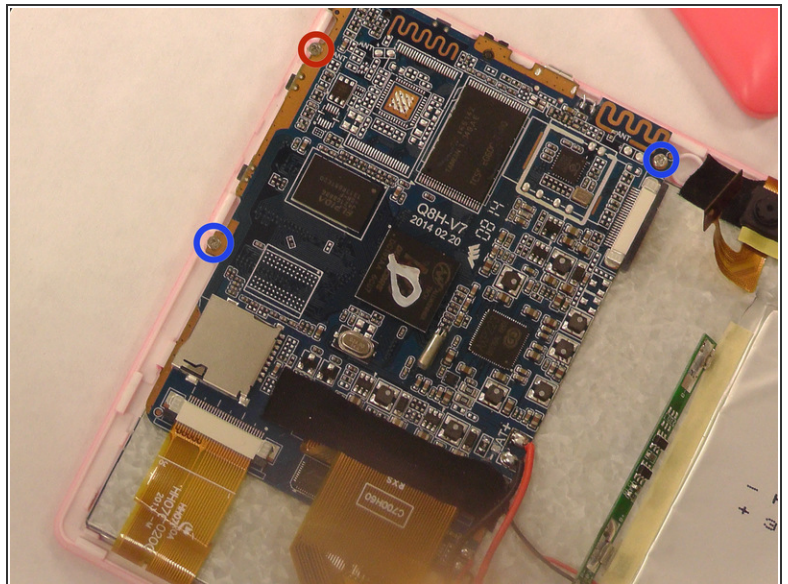
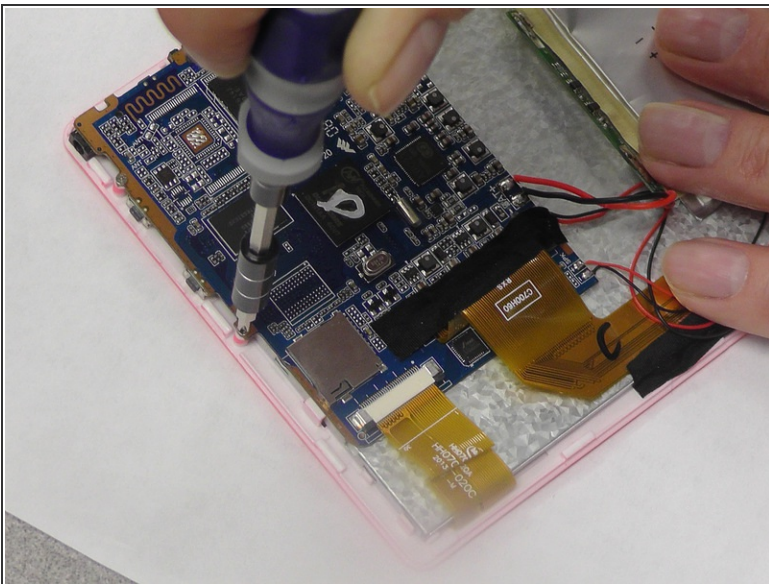
- Once all screws have been removed from motherboard, use your hands to carefully remove the two yellow ribbons attached to the motherboard.

Step 5



- Cut the red and black wires that connect the battery, screen, camera, and speakers to the motherboard.

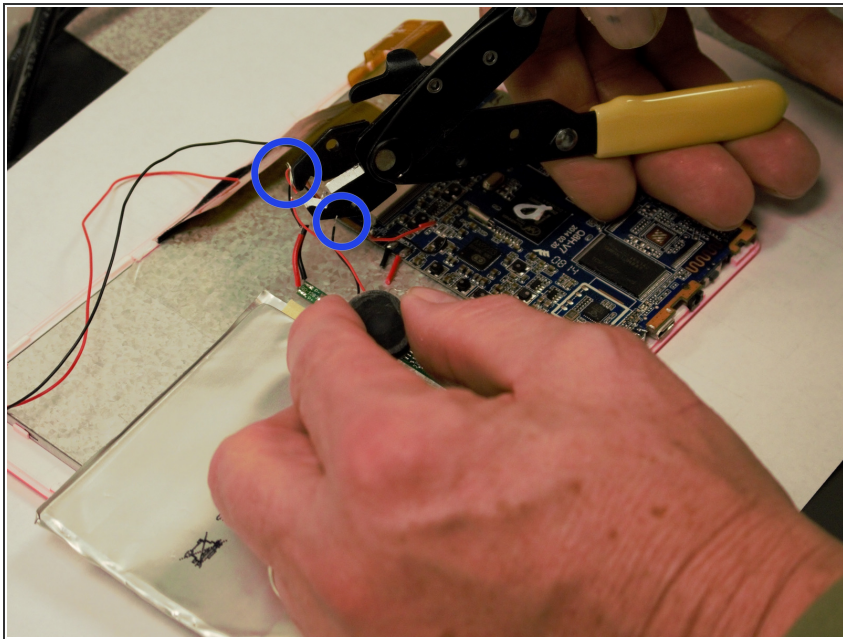
Step 6 — Screwing the Motherboard Back On



- Take the the new motherboard and screw it in with the screws used on the previous motherboard.

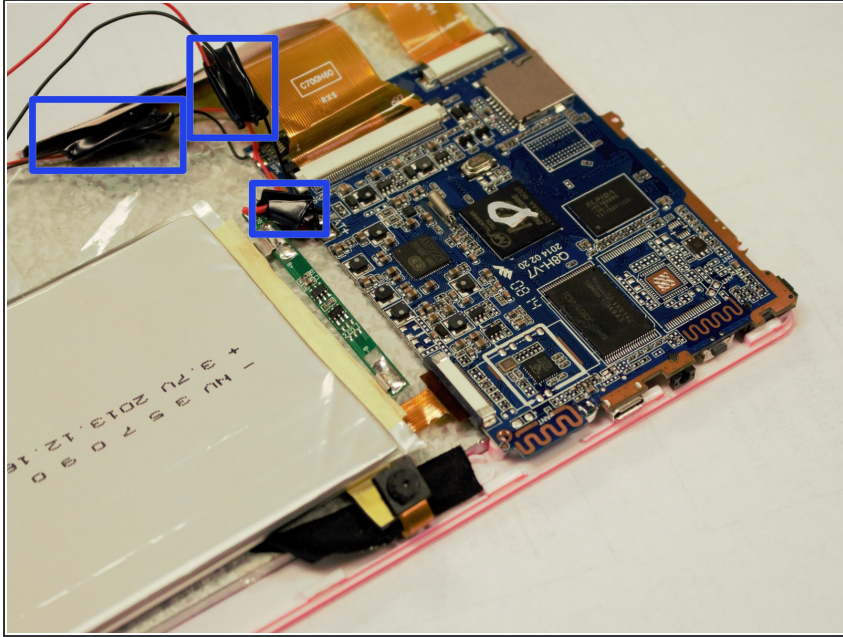
⚠ When screwing the motherboard on, make sure that you do the screw on the top left corner (circled in red) last, after the other two screws are in.

Step 7



- Strip both the red and black wires in the middle with wire stripper/cutter tool. Do this for all wires that were cut, as well as for the wires on your new motherboard.

Step 8



- Take the red wire from the specified part and attach to the red wire on the motherboard, then twist the two ends together and wrap in electrical tape. Repeat this step for the black wires.
- Do this for every part that was attached to the motherboard.

Snap the rear case back on to finish this repair.

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